



GRANT RECIPIENT
VALPARAISO UNIVERSITY

YEAR
2009

COUNTY
PORTER, LAPORTE

CATEGORY
APPLIED RESEARCH

GRANT AWARD
\$12,984

LOCAL SHARE
\$12,984

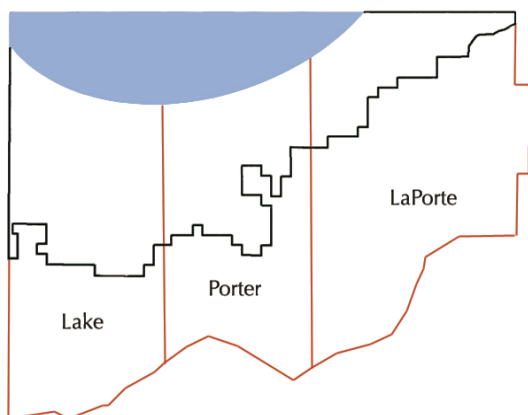


FOR MORE INFORMATION
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Water Quality in Black-Brown-Kinzele Ditch, Derby Ditch, and Dunes Creek Watersheds

Water quality data was collected in the Black-Brown-Kintzele Ditch, Derby Ditch, and Dunes Creek watersheds. The data collected focused primarily on water chemistry parameters and included, but was not be limited to: dissolved oxygen, nitrate, ammonium, total phosphorus, reactive phosphorus, chloride, conductivity, pH, turbidity, temperature, total suspended solids, stream flow, and E. coli. Other data that was collected as time and resources permitted included: heavy metals, macro-invertebrates, and Kjeldahl nitrogen. The data was used in the development of watershed management plans for the Derby Ditch watershed and Brown-Black-Kintzele Ditch watershed. It was also used to assess the success of restoration efforts in the Great Marsh of the Indiana Dunes and to collect baseline water quality data for sites being considered for restoration. Monitoring data was provided for the Dunes Creek watershed for which there is already a watershed management plan in place. Data was freely shared with community partners and organizations that found it of use. This research also provided an excellent opportunity to train undergraduate students in the collection, analysis, reporting, and presentation of water quality data and introduced them to the importance of managing water resources at the watershed level.



RESULT: Water quality research for a local creek and local ditches.